



NA1080 - Compressed Sheet with Aramid Fibers/SBR Binder

CONSTRUCTION

Style NA1080 is a compressed non-asbestos sheet gasket material produced from a combination of Aramid Fiber, Inorganic Fillers and bonded with Styrene-Butadiene Rubber (SBR). It is manufactured under rigorous quality control standards that are registered under ISO-9001 certification.

APPLICATION / SERVICE

Style NA1080 has numerous applications in the process industries handling media like: mild acids and alkalis, water, brine, saturated steam, air, industrial gases, general chemicals, neutral solutions.

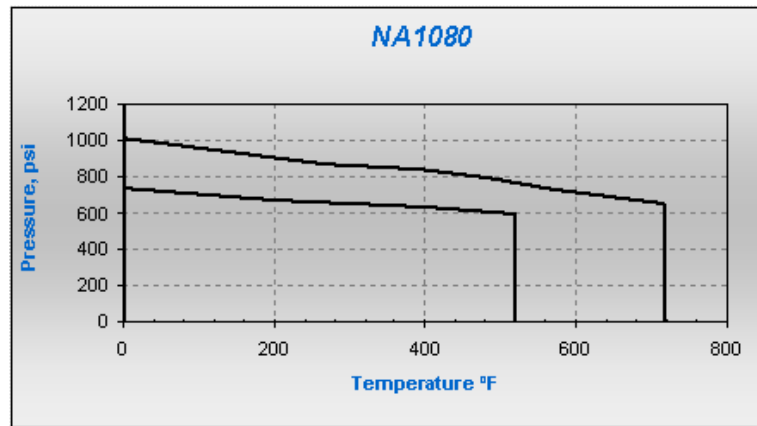
SERVICE LIMITS

Type	Description	Value
Temperature Limits	Maximum	716°F (380°C)
	Continuous Max	490°F (270°C)
Pressure Limits	Maximum	1015 psi (70 bar)
	Continuous Max	725 psi (50 bar)
ASTM Line Call Out F104	F712940E44M5	
Color	Off White	
Available Sheet Sizes	Thickness	From 1/64" (0.4mm) to 1/8" (3.2mm)
	Sheet Sizes	59" (1500mm) x 63" (1600mm)
		59" (1500mm) x 126" (3200mm)

TYPICAL PHYSICAL PROPERTIES

ASTM Test Method	Property	Value
-	Density	122 lb/ft ³ (1.96 g/cc)
F36	Compressibility	7-17%
F36	Recovery	min 45%
F152	Tensile Strength	2030 psi (14 MPa)
F495	Ignition Loss	max 28%
F146	Thickness Increase After 5 Hour Immersion	
	• ASTM oil IRM 903 @300°F (150°C)	max 40%
	• ASTM Fuel B @ 77°F (25°C)	max 20%
F146	Weight Increase After 5 Hour Immersion	
	• ASTM oil IRM 903 @300°F (150°C)	max 30%
	• ASTM Fuel B @ 77°F (25°C)	max 30%
F38	Creep relaxation	22%
	Torque Retention (DIN 52913)	37 N/mm ²
F37	Sealability at 1000 psi	0.25 ml/h

Pressure x Temperature



The P x T graph shown above indicates the service limits for this sheet considering pressure and temperature simultaneously...(Tests were performed with nitrogen on 1.6mm thick sheet). The "normal" curve represents the common usage area for this sheet while the "maximum" curve indicates the maximum limits. For applications near or above the "maximum" curve, contact TEADIT.

Properties and application parameters shown throughout this datasheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice. This edition supersedes all previous issues.

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